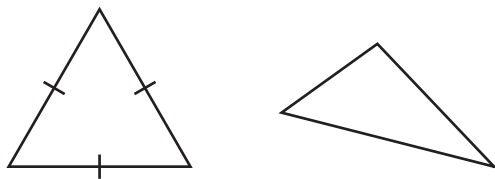


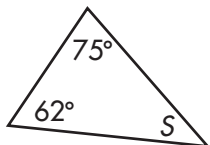
Mark the best answer.

1. Which of the following is NOT true of the triangles shown? (8-4)



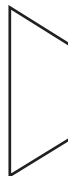
- A They each have three angles.  
**B** They each have one obtuse angle.  
C One triangle is an equilateral triangle.  
D Neither triangle is a right triangle.

2. Find the measure of  $\angle S$ . (8-4)



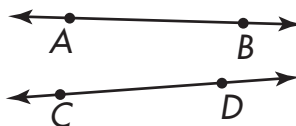
- A  $23^\circ$   
**B**  $43^\circ$   
C  $53^\circ$   
D  $63^\circ$

3. Which of the following can be used to describe the shape below? (8-5)



- A Opposite sides are perpendicular.  
B All angles are obtuse.  
**C** There is only one pair of parallel sides.  
D All sides are the same length.

4. Describe the relationship between line  $AB$  and line  $CD$ . (8-1)

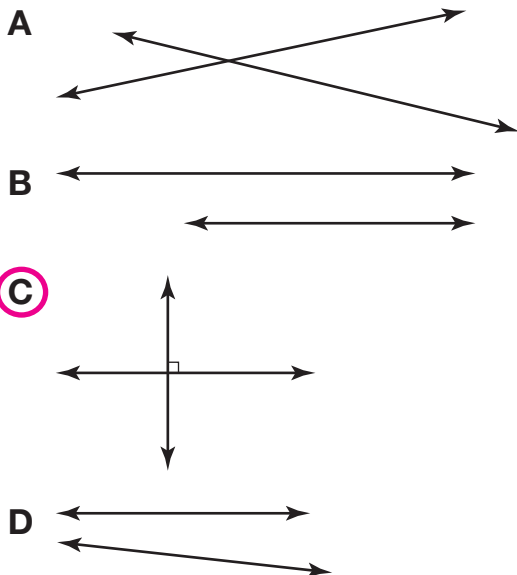


- A** They are not parallel.  
B They form right angles.  
C They are parallel.  
D They are perpendicular.

5. Which of the following could be used to describe the stop sign? (8-3)



- A Quadrilateral  
B Hexagon  
**C Octagon**  
D Pentagon
6. Which two lines are perpendicular? (8-1)



7. Which generalization about quadrilaterals is incorrect? (8-6)

- A All rectangles are parallelograms.  
B All rectangles are quadrilaterals.  
**C All parallelograms are squares.**  
D All squares are rectangles.

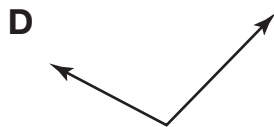
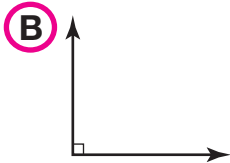
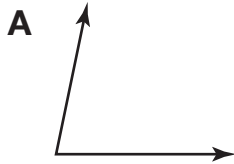
8. Jordan cut a triangle that had two congruent sides and an angle measuring  $90^\circ$ . Which of the following can be used to describe the triangle? (8-4)

- A Right scalene  
B Acute isosceles  
C Obtuse scalene  
**D Right isosceles**

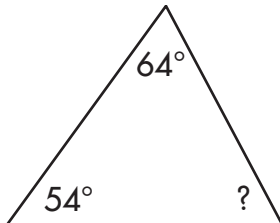
9. The measures of three of the angles of a quadrilateral are  $67^\circ$ ,  $112^\circ$ , and  $55^\circ$ . What is the measure of the fourth angle? (8-5)

- A  $96^\circ$   
B  $116^\circ$   
**C  $126^\circ$**   
D  $234^\circ$

- 10.** Which angle below measures  $90^\circ$ ? (8-2)



- 11.** Find the measure of the third angle of the triangle. (8-4)



- A**  $54^\circ$   
**B**  $62^\circ$   
**C**  $64^\circ$   
**D**  $90^\circ$

- 12.** Which of the following quadrilaterals must have four right angles? (8-5)

- A** Parallelogram  
**B** Rhombus  
**C** Trapezoid  
**D** Rectangle